

GLAST SWG Telecon DRAFT Minutes  
March 7, 2005

Attended:

David Band  
Guido Barbiellini  
Elliott Bloom  
Patrizia Caraveo  
Lynn Cominsky  
Chuck Dermer  
Brenda Dingus  
Neil Gehrels  
Kevin Grady  
Josh Grindlay

Rick Harnden  
Neil Johnson  
Don Kniffen  
Chip Meegan  
Julie McEnery  
Jay Norris  
Jonathan Ormes  
Steve Ritz  
David Thompson  
Stephen Thorsett

Steve welcomed everyone.

Overview of agenda for today's telecon and for the next regular telecon on March 24<sup>th</sup>.

Minutes of the January 20, 2005 telecon were approved as posted on the SWG website.

There will soon be a standard email distribution containing the SWG members.

Rick Harnden - NASA HQ:

- Nothing to report since the February 24<sup>th</sup> meeting with Anne Kinney.
- Budget is really tight at HQ.
- No more delays, no overruns - need to keep on schedule.
- No new news about budget for next year.

Steve:

- Our focus is to keep going as planned and on schedule.
- Meeting consisted of: Anne Kinney, Rick Harden, Dan Blackwood, Rick Howard, Peter Michelson, Steve Ritz and Nancy Hamill. All questions were answered and everything that was asked for was addressed.

### Kevin Grady - Mission Update:

#### 1. Budget:

- Submitted budget for re-base line of the LAT; waiting for guidelines back from HQ.
- Stated that now is not the time to descope 4 towers. Need to complete and ship the 16 towers to SLAC by the end of August.
- Have talked about the possibility to eliminate testing of last N towers instead of descoping towers.

#### 2. Spacecraft:

- Spectrum Astro is making good progress. In the I & T phase of program.
- Spectrum Astro, like the LAT and GBM, the parts issue has been a real driver, over all doing a good job.
- By the end of the year there will be a fully integrated spacecraft.

#### 3. Recent Progress on LAT:

- Calorimeters are in good shape.
- ACD fully integrated in next couple weeks.
- In Italy they are working on the 5<sup>th</sup> tower.
- Instrument to come together in the next 6 months.
- Thanked everyone for sacrifices they are making to get thru the I & T stage.

### Chip Meegan - GBM Report:

- Main electronics box in final state of assembly at Southwest Research. Should deliver to MSFC in the next couple weeks .
- Some problems with detectors; may adjust mounting to spacecraft.
- Crystal/optical problem? Reduced signals, 50% reduction in light output. Would miss requirements with those numbers; hopes to fix in couple weeks. Neil Johnson suggested it may be air gap. Chip will pass along information to Giselher.
- EQM's should arrive in April.

### BWG Repointing Report:

Chip - BWG had a telecon on February 24:

- What level of detail does the SWG/GUC want to control the parameters?
- Will the SWG/GUC specify observing time spent on repoint?
- Possibility of triggering different types of events.
- Solar flares - will/can we repoint?

Steve: Should there be a solar flare person on BWG?

Chip: BWG is just the right size at the moment but will have a telecon with solar flare people.

Julie suggested that thought should be given to a parameters set that minimizes selection biases (e.g., random subsample).

Steve suggested that some of what has been discussed should be put into the revised version of the document.

Jay - Presentation on "Planning for LAT Onboard GRB Trigger and Localization Algorithms" (See viewgraphs posted)

- Guido: Directional information from calorimeters? 1%?
- Jonathan: 10 highest thru real time, enough bandwidth? Yes, ground system people don't think it will be a problem, gets within a factor of 2.
- Chip: Incorporate before environmental testing: Will need to ask Peter for schedule of testing and implementation.
- Chip would like to have more LAT input on next update of document.
- LAT flight software development at SLAC is aware of all this.
- Timeline for when algorithm should be complete.

Julie McEnery - Presentation on "Science Data Latency" (See viewgraphs posted)

- Brenda: 120 minutes out of MOC - is that firmly defined? No, it's sent down in chunks to send faster, 2 hours in MOC is just a guess.
- Brenda: 4.2 mbps from White Sands to MOC - White Sands increases line? At the moment that's what we have, restricted line.
- Jonathan: changing specs? Has been discussed, hard to make changes, changing requirements is costly.
- Josh: What is the history on the factor 4? Mission design at the beginning was using X-band to ground, change to TDRSS was cost effective, reduces potential loss of science.

Next Telecon on Thursday, March 24.

#### ACTION:

1. email distribution list and email archive setup for SWG.
2. Josh, Chip and Steve - special session of BWG on solar flares?
3. Schedule of LAT algorithm development.
4. Change bullet on Julie's slide - Completed

Adjourned.

3/10/05